# **An Deemen Gold Project**Near-Term Gold Producer NW Arizona USA

## PROJECT SUMMARY

Newton and Boyle is a privately held corporation focused on bringing the Van Deeman gold project into production. The company principals are seasoned mining and business professionals, with in-depth knowledge of the project.

#### **Project Highlights:**

- A near surface resource: 200+ RC drill holes define an internally calculated resource estimate (IDS) of approximately 100,000 ozs grading 1 g/t.
- Good recovery (+70%) using heap leach.
- Low strip ratio (1:1) /low-cost (\$875) open pit mining.
- Low capital requirements.
- Private Ownership: group of businessmen, mining engineers, geologists familiar with the project and mining in NW Arizona.
- Exploration Upside: Potential: satellite deposit in claim block (same geology, larger gold-in-soil anomaly, 5 drill holes) could potentially add 50% more ounces.

#### Location and Infrastructure:

- Project located in the El Dorado mining district of the Black Mountains, NW Arizona US.
- Black Mountains are the most prolific gold producing range in Arizona having a total past production in excess of 3 million ounces.
- Excellent site access 50 miles northwest of Kingman, Arizona (population ~28,000) and 60 miles from Las Vegas, NV.
- Well developed infrastructure and workforce nearby.

#### **Geology and Mineralization:**

- Mineralized low angle normal fault.
- Epithermal mineralization exposed at surface with low stripping ratio.
- Mineralization appears to be very fine free gold with silica.
- Widespread alteration with limited pyrite.

#### Mine Development:

- Initial production focused on near surface mineralization.
- Metallurgical recoveries projected at 70% utilizing low capex/low operating cost on immediately adjacent heap leach facility.

#### **Exploration**:

• Exploration activities will continue thru the life of the mine to further develop the project potential.

#### **Proven Management Team:**

- Joseph Bardswich, Principal Mining Engineer with 35 yrs experience in the mining industry including engineering and both surface and underground operating positions in Canada, the U.S. and abroad.
- Barbara Carroll, a certified professional geologist with over 30 years of experience in the mining industry including modeling, resource estimation, permitting and feasibility studies as well as NI 43-101 technical report writing.
- Laurie Casselman, COO of a private family-owned multinational enterprise that is a diversified global investor and an operator of industrial and commercial businesses in the US and SE Asia.



IT mand



Van Deemen Project



Mineralization

## MANAGEMENT

Joseph Bardswich	Mine Development
Barbara Carroll	Project Development
Laurie Casselman	General Operations
1	Manager

## September 2017

### MOVING FORWARD TO PRODUCTION



Area IV Block Model

- Estimated Project Parameters: For a 3 year mine life (about 23,000 ozs p.a., upfront capex = \$6M (including working capital), AISC cost = \$875/oz, LOM strip ratio = 1:1 with no pre-strip.
- Technical Report completed December 2018.
- Permitting -in progress; obtained concurrently with Federal, State and local activities expected duration 18 to 24 months.
- Acid Based Accounting indicate this material shows no potential for acid generation due to the net neutralizing capability and the low pyritic sulfur content.
- Metallurgical Testing showed ore was amenable to simulated heap leach cyanidation treatment at an 80%-1" feed size. Column leach test gold recovery was 69.8% in 74 days of leaching.
- Re-Assay drill hole pulps Comparing 2014 assay results from Skyline to 1986 historic assays from Chemex Labs, shows a 98% correlation between samples; confirming the values obtained from Chemex for the historic values.
- Historical exploration includes detailed geological and alteration mapping, surface rock sampling, as well as +200 RC and rotary air blast drillholes totalling over 29,102 feet (8,870m).

## **KEY SUCCESS FACTORS**

- Arizona Focus: World-class gold jurisdiction.
- The Van Deemen is an economic, low capital cost project, ideally suited for open pit mining and heap leach processing.
- Management team with positive relationships and respected track records.
- Internal analysis suggest the Van Deemen project is economic at \$1,000 gold; the returns are attractive and increase with price of gold.



Property Outline



Newton & Boyle Address: 1790 E. River Rd, #213 Tucson, AZ 85718 Phone: 1 520-275-6173 Website: www.newtonandboyle.com Email: info@newtonandboyle.com

## METALLURGICAL TESTING



## Gold recovery - 69.8% in 74 days of testing

Forward Looking Statements – Certain information set forth in this summary contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are subject to numerous risks and uncertainties, certain of which are beyond the control of International Star, Inc., including, but not limited to the impact of general economic conditions, industry conditions, volatility of commodity prices, risks associated with the uncertainty of resource and reserve estimates, currency fluctuations, dependence upon regulatory approvals, the availability of future financing and exploration risk. Readers are cautioned that the assumptions used in the preparation of such information, although considered reasonable at the time of preparation, may prove to be imprecise and, as such, undue reliance should not be placed on forward-looking statements.